



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: First Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the 2nd Tuesday of each month.

PUBLIC SERVICE

2013 City of Oaks Marathon:
Nov. 3

2013 Makin' Room for Turkey Ride: Nov. 17

To sign up or learn more, visit
http://www.rars.org/public-service/ps_signup.php.

RARS General Meeting

What: VE Test Session, Board Elections, and "FlexRadio" by Tim Ellison, W4TME

Date: Tuesday, November 5, 2013

Time: Meeting at 7:30 p.m.

Where: RLBC, Inc., 3200 Bush Street, Raleigh, NC



Have an idea for a meeting? [Email the RARS Vice President!](#)

2014 Officers and Committee Chairs

By Chuck Littlewood, K4HF
2014 RARS Nom. Comm. Chair

Below is the 2014 RARS Nominations Committee Report. These folks will be placed in nomination at the November 5 RARS Regular Meeting. Any additional nominations may be made and then the membership will vote.

I thank the other members of the Nominating Committee, W4CHX and AI4RT and others who provided input.

Nominating Committee Recommendations

Officers for 2-year term

President: C J Orr, NC4CJ

Secretary: Bob Chew, K4YXM

Officers for 1 year Term

Vice President: Tom Lewis, N4TL

Board Members for 1-year term

Public Service Director:

Public Information Officer:

RARS 2014 Hamfest Chair:

RARS Exciter Editor:

RARS Net Manager:

John Snellen, AI4RT

OPEN

Chuck Decourt, W3WZN

with John Snellen, AI4RT

Cathy Downs, KA3QPU

Mary Holtschneider, KG4OQA



See **2014 Board & Committee Chairs**, continued on p. 4

RARS Officers

PRESIDENT

Karl Bowman
W4CHX
919.669.6068
w4chx@arrrl.net

VICE PRESIDENT

Candy Orr
NC4CJ
919-217-7734
cjorr@bellsouth.net

SECRETARY

Bob Chew
KI4YXM
919.782.5778
rlchew@mindspring.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
ke4pax@arrrl.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.



Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: First Tuesday of each month

Location: RLCB, Inc.

3200 Bush Street,
Raleigh, NC, 27609 *New Location*

Time: People begin arriving at 7 p.m.

The meeting officially begins at
7:30 p.m.

RARS Monthly Dinner

Join us on the second Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing at the February, May, August, and November RARS meetings; the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for more information.

Message from the President

Several days ago, I attended the second (yes, second!) planning meeting for the upcoming 2104 RARSfest. It will be held on Saturday, April 19, 2014 and RARSfest—our club's signature event—will be hosting the 2014 ARRL Roanoke Division Convention. During 2014, the ARRL will be celebrating its 100th anniversary and as you might expect, that will be a central theme at the 2014 RARSfest, as well.

The planning committee is already working very hard on the 2014 RARSfest, and I can assure you it will be a great event! Hopefully, you will be able to assist the planning committee by volunteering on one of the RARSfest committees. For further information or to sign up, please contact John AI4RT or Chuck W3WZN.

Please don't forget that there is still an opportunity to participate in a public service activity in late November. The Makin' Room For Turkey Ride in Raleigh will be held on Sunday, November 24, 2013.

In addition, you are invited to participate in The Ham Public Service Net, which meets Wednesdays at 7:30 p.m. on the Carolina 440 Link System. For further information or to sign up, please see the RARS home page at www.rars.org (click on Public Service in the left menu) or contact John AI4RT.

Finally, as I have stated in the past: I encourage all RARS members to attend our monthly meetings and activities. At those events, you will meet our new members, see your old friends, listen to outstanding presentations, participate in lively discussions, and share your expertise with others.

Ultimately, it is hoped that your participation in RARS will stimulate your ongoing interest in amateur radio and assure that RARS remains an outstanding and active amateur radio club.

73, Karl W4CHX

2014 Board & Committee Chairs, from p. 1

At-Large Director: Don Downs, WA4AVU
At-Large Director: Jack Foster, N6UYB
At-Large Director: Bill Mars, AK4BL
FM Repeater Chair: Karl Bowman, W4CHX
with Chuck DeCourt, W3WZN
W4DW, W4RNC, N4RAL Trustee: Jeff Wittich, AC4ZO
ARRL Liaison: Chuck Littlewood, K4HF
Education Director: Murray Merner, K4MHM
RARS Web Master: Hank Montgomery, K4HM

Committee Chairmen

RARS Food Service Chair: Joanne Mars, AK4RJ
RARS NC QSO Party Chair: Marty Young, W4MY
RARS 2014 Field Day Chair: Dennis Keith, NC4DK
RARS Volunteer Exam Coordinators: Liz and Joe
White, KO4CK & WA4GIR, respectively

Events, Hamfests & Conventions

JARSFest 2013 | Nov. 17, 2013

Location: Benson, NC

Website: <http://www.jars.net>

Winston-Salem Winter First-Fest | Jan. 11, 2014

Location: Winston-Salem, NC

Website: <http://www.w4nc.com/events.htm>

2014 Charlotte Hamfest & NC Section Convention | March 7, 2014

Location: Concord, NC

Website: <http://www.charlottehamfest.org>

2014 Raleigh Hamfest & ARRL Roanoke Division Convention | Apr. 19, 2014

Location: Raleigh, NC

Website: <http://www.rars.org/hamfest>

North Carolina State Convention (Shelby Hamfest) | Aug. 30, 2014

Location: Shelby, NC

Website: <http://www.shelbyhamfest.org>

September Traffic Stats

RARS Two Meter Traffic/Ragchew Net

Check-ins: 440

Traffic: 34/30

Minutes: 470

Sessions: 26

Special Interest Nets

Check-ins: 160

Minutes: 320

Sessions: 9

New RARS Members

Stan Disbrow, Jr WA2KGY
Dan Stancil WY3O

November Birthdays

Joe	WA4GIR	11/02
Carroll	KD4JH	11/07
Clayton	KE4DOX	11/07
Jeff	AC4ZO	11/08
Rich	NC4EN	11/11
Chris	N3JHR	11/14
Joshua	KF4ZXK	11/15
Glenn	WA4LHE	11/16
Rolf	K8SL	11/19
Ken	WA4JJW	11/21
Mark	WD4KSE	11/21
Scott	KI4OCF	11/24
Bill	KG4CXY	11/24
Terri	N4ZUD	11/25
Luz	W2LUZ	11/26
Doug	N3LTV	11/26

Miscellaneous Tidbits...

Yahoo Group

Ham Public Service North Carolina (HPSNC) now has a Yahoo Group where we can share ideas, distribute information and communicate with each other. To use the site, register as a Yahoo subscriber and a member of the HPSNC group. The Yahoo Group address is: groups.yahoo.com/group/hpsnc. – John Snellen, AI4RT

Special Event Station

Nov. 9, Dupont National Forest Rescue Drill, W4GTC, Flat Rock, NC. Special event HF station will be part of this drill. Details at www.gfdyodas.com.

Frequency Change

The nightly Carolinas Net – Early Edition (CNE) has gone back from its summer spot on 7114 KHz to its regular frequency of 3573 KHz at 1900 local.

Last two items reprinted with permission from William C. Morine N2COP, Section Manager, ARRL NC Section.

Cycle for Life Cystic Fibrosis Ride -- Saturday, October 5

By John Snellen, AI4RT

The **Cystic Fibrosis Foundation** held the bike event **Cycle For Life** in Angier, N.C., on Saturday, Oct. 5, 2013. A total of 22 ham volunteers provided communications from five rest stops and 15 Support And Gear (SAG) mobile vehicles. The following ham volunteers participated in this well-supported event:

Wally Smith – KJ4UKV	Scott Lewis – AB4SL
John Snellen – AI4RT	Pamela Lewis – KB4PAM
Doug Eubanks – K1DUG	Michael Rowland – N3YEP
Robbie Wheeler – KD4WIY	Ryan Reed – N7RYN
Mike Callam – KD4UJC	JJ Johnson – NC4JJ
John Mullens – KK4SBS	Lannie Godwin – KK4QEF
Bob Chew – K4YXM	Jerry Samouce – KK4QQL
Dan Sears – KD4AGQ	Marisa Sears – KJ4TAL
Billy Newton – KJ4XKG	Larry Holt – KG4FIQ
Jack Donnelly – WA2YBM	James Lee – KJ4DNM
Paul Dunn – KD4BJD	Paul Iadonisi – KK4QQI



The Ham Public Service North Carolina name badge, available soon from The Sign Man. Thanks Dan and Marisa. More details on the yahoo group site: <http://groups.yahoo.com/group/hpsnc>.



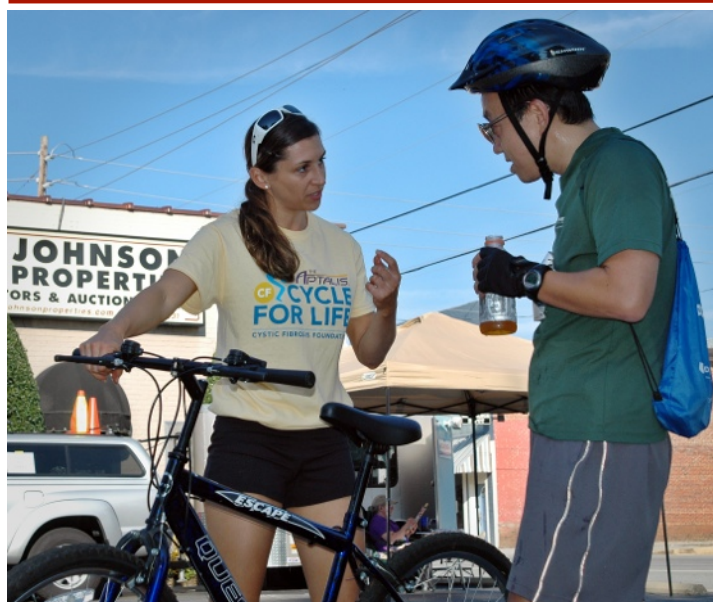
Above: Wally Smith KJ4UKV and Scott Lewis AB4SL.

At left: Rest Stop #4 for the Cycle For Life Ride. Photo by Larry Holt KG4FIQ.

At right: Cycle For Life riders in the vineyards in Angier.



Cycle for Life -- continued from p. 5



Above: For some reason or another, there were always a lot of mechanical problems wherever Bike Mechanic Candice sets up shop.

At top right: Having the finish line at Gregory Vineyards is not all bad...just ask SAG 1, Wally KJ4UKV!



Above: Johnston County Emergency Coordinator Mike Callam KD4UJC was SAG 4 for the Cycle For Life Cystic Fibrosis Bike Ride.

At left: Ryan N7RYN, SAG 2 and Team Leader for the North Loop of the Cycle for Life.



At right: Our new banner...this is who we are and what we do... with Net Control John AI4RT.



Minutes

Board of Directors Meeting *Raleigh Amateur Radio Society* *September 17, 2013*

Present: Karl W4CHX, Bob K4YXM, Greg KE4PAX, John AI4RT, Chuck K4HF, Joanne AK4RJ, Murray K4MHM, Don WA4AVU

Apologies: Bob W4TTX, Hank K4HM, C.J. NC4CJ

1. **Call to order (Karl W4CHX):** Karl W4CHX called the meeting to order at 7:09 p.m.
2. **Approval of minutes (Karl W4CHX):** The Minutes of the previous Board Meeting (August 20, 2013) were approved as presented.
3. **Vice President's report (CJ NC4CJ):** CJ reported via email that a low number of items had been submitted for the October auction.
4. **Treasurer's report (Greg KE4PAX):** RARS currently has 285 members. If any RARS member has questions regarding the budget, please contact Greg KE4PAX or Karl W4CHX for more information.
5. **Secretary's report (Bob K4YXM):** No report.
6. **Committee reports:**
 - a. **Public Service Director (John AI4RT):** John AI4RT reported that events are "winding down;" only two remain for the rest of the year.
 - b. **Public Information Officer (Ken WA4JJW):** No Report
 - c. **Education Director (Murray K4MHM):** Murray K4MHM reported that a Technician licensing class will begin on September 28th. A General licensing course is being planned for November. He is considering another Technician licensing class for January, 2014. The book donation the NCSU library has been accomplished.
 - d. **Field Day Chair (Bob W4TTX):** Based on his email communication, Bob W4TTX reported that he would contact Jim and Beth Carroll to see if RARS needs to pay the grass-mowing bill for the Field Day site.
 - e. **FM Repeater Chair (Karl W4CHX):** Karl W4CHX reported that substantial progress has been made on the repairs to the building at the Bayleaf site. A team consisting of Robert Chew, Bob K4YXM, Bob NC1X, and Karl W4CHX have worked 20 plus hours over 4 days to tear off the existing roof, replace the plywood sheathing, reconstruct the soffit and fascia trim boards, and apply tar paper to the roof. Shingles will be applied on September 18th. Vinyl siding will be applied soon thereafter followed by the interior repairs. A group of volunteers will be solicited to caulk, fill screw holes, and paint the

soffit and fascia trim boards. Karl W4CHX is communicating with Danny K4ITL regarding the plans for installing the newly-configured repeaters at the various repeater sites.

- f. **RARSFest Chair (John AI4RT)**: The first RARSfest Planning Committee meeting will be held on Monday, September 23rd, at 7:00 PM, at the RLCB meeting room. RARSFest will be on April 19, 2014. Chuck W3WZN will co-chair with John.
- g. **Exciter Chair (Cathy KA3QPU)**: Please send articles.
- h. **Hospitality Chair (Charles WB4DCM)**: No Report
- i. **Net Manager (Mary KG4OQA)**: No report.
- j. **ARRL Liaison (Chuck K4HF)**: Chuck K4HF commented that since RARSFest will be the ARRL division meeting, we have a good chance to get additional speakers.
- k. **At-Large Director (Don WA4AVU)**: No report.
- l. **At-Large Director (Jack N6UYB)**: No report.
- m. **At-Large Director (Bill AK4BL)**: No report.
- n. **Food Service Chair (Joanne AK4RJ)**: No report
- o. **W4DW/W4RNC Trustee (Jeff AC4ZO)**: No report.
- p. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK)**: No report.
- q. **RARS Webmaster (Hank K4HM)**: Based on his email communication, Hank K4HM wrote, "Here is a report on RARS webmaster activities over the last month:
 - a. The Auction form for registration has been put online and is starting to get some use. No problems have been reported.
 - b. Some RARSfest information was updated on both the RARSfest page and on the main page.
 - c. "Technician License Class Course" description provided by Murray was added.
 - d. RARS Kudos page has been added with title suggested by Karl - additional suggestions regarding the page are requested. I need to add a link to this page - maybe from the RARS Information page, or maybe from the Public Service page - suggestions?
 - e. Various minor changes were made to other pages.
 - f. Spam/hacker activity has slowed but we still have had a few intruders. Forms that generate email remain the target and one recent attempt was from an old form that was not visible and could only be found by going directly to the form. This would be from a saved bookmark or by someone with access to a web crawler or something similar. I have started removing forms that are not being used and moving them to my personal storage. If and when they are needed I can restore and modify them if needed. While in "clean-up" mode I am also removing some old copies of web pages. This is not an overnight chore and will take some time. Also when pages change I save the old copy in

case there are unintentional deletions of information that was intended to remain on the new version - so this clean-up will be ongoing.

- g. Long term - I also want to make our web pages wider. They are currently designed to fill an 800 pixel display format. Today's users have screens supporting much higher resolutions and the recommendation is to use screen widths of at least 1,200 pixels. This wider format will allow me to convert some of our old pages to the format of our main pages - with RARS banner and side columns. I expect to work on this over the winter.”

- r. **North Carolina QSO Party (Marty W4MY):** No Report.

7. **Old business:**

- a. **Financial review (Greg KE4PAX):** Financial review was held on August 24th.
- b. **Equipment list for insurance policy (Greg KE4PAX):** Since the inventory is not complete, Greg will add items to the policy as they are reported.
- c. **Amateur radio and the new Unified Development Ordinance (Karl W4CHX):** No report.
- d. **Recording of Board meetings (Don WA4AVU):** The recorder was not available for use.
- e. **Publicity for licensing classes and VE exams (Murray K4MHM):** Murray K4MHM reported that the regularly scheduled VE sessions are reported on the ARRL websites. VE sessions for our licensing classes will not be generally publicized.
- f. **Nominating committee (Chuck K4HF):** Chuck K4HF is the chair. Committee members are Karl W4CHX and John AI4RT.

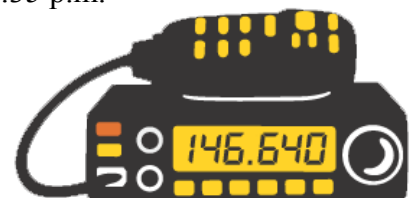
8. **New business:**

- a. **ICS training courses (Karl W4CHX):** Karl W4CHX reported that there may be an opportunity to have a one day-long class for four ICS classes (ICS-100, 200, 300, 400) in November. Successful completion of these courses are required for participation in AUXCOMM activity.
- b. **Involving new members:** There was discussion about how to get new members involved in club activities. No consensus was achieved.

9. **Any other business:** There was discussion on the status of the amateur radio club at NCSU and what RARS might do to assist in having a viable club. Action was tabled pending a report from Murray K4MHM.

10. **Board member's comments:** None.

11. **Adjournment (Karl W4CHX):** The meeting was adjourned at 9:35 p.m.



Minutes

General Membership Meeting Raleigh Amateur Radio Society October 1, 2013

1. **Call to order:** Karl W4CHX called the meeting to order at approximately 7:15 p.m.
2. **Approval of minutes:** The Minutes of the RARS General Membership meeting on September 3, 2013, were approved.
3. **Vice President's report (CJ NC4CJ):** Deferred to later in the meeting.
4. **Treasurer's report (Greg KE4PAX):** Greg KE4PAX reported that currently xxx members. If any RARS member has any questions, please contact Greg KE4PAX or Karl W4CHX for further information.
5. **Announcements (Karl W4CHX):**
 - a. **Upcoming RARS events and hamfests:** Karl W4CHX reminded everyone to see the Exciter, RARS website or the ARRL website for further information.
 - b. **After meeting gathering:** The after meeting gathering will be held at Applebee's, Six Forks and Wake Forest Roads (by the Costco).
 - c. **Introduction of Guests:** Dan Stancil and Marv KK4TTL.
 - d. **Education:** Murray K4MHM reported that at the last Tech class 17 people passed the test. Another course starts next week at NC State. He also reported that we have donated license manuals to the library.
 - e. **Silent Key:** Chuck K4HF reported that passing of Bruce WA9NEW.
 - f. **Repeater Status:** Karl reported that a new team is taking over the repairs to the building at Bayleaf.
6. **Vice Presidents Report:** CJ NC4CJ Tim Ellison W4TME will have a program on "FlexRadio" in November.
7. **Program:** CJ NC4CJ introduced Rick Kelly-Crapse, who conducted the annual auction.
8. **Any other business:** None.
9. **Adjournment:** The meeting was adjourned at 9:10 p.m.

LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **Ham Public Service Net** meets every Wednesday at 7:30 p.m. and provides a forum and discussion platform for area clubs and individual hams to connect with and learn from other local hams who are interested in Ham Public Service. The HPSN is utilizing the Carolina 440 UHF Link System. The repeaters are also accessible through IRLP Reflector 9210, node 4270. The Ham Public Service North Carolina Yahoo Groups address is: www.groups.yahoo.com/group/hpsnc.

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:00 p.m.

Join us every evening at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County AUXCOMM Training Net** meets Thursdays at 7:30 p.m. on the 146.88 repeater. This net provides amateur radio operators information and training related to emergency communications and for our served agencies, such as Wake County Emergency Management. Please join us. For more information please visit <http://wake.nc.auxcomm.us/>.



RARS Classifieds

RARS Members: [Post](#) a new 30 day listing or [Edit](#) your current listings at www.rars.org/classifieds.php. The items below were listed within the last 30 days.

Sony Home Theatre surround sound system/WTT or For sale

Posted October 27th, 2013 by: AJ4HK

Contact: aj4hk@hotmail.com

WTT or FS home theatre system/SONY

Would like to trade a Sony DVD home theatre system/DAV-HDX279W for an HF Rig.

Unit consist of a 5-disc changer with AM/FM receiver. S-air HDMI.

1-HMDI cable 1-RM AUD007 Remote, 1-FM ant.

1-AM ant.

1-EZW-RT10 wireless xcvr.

1- TA-SA100WR surround AMP.

2-SS-TS81 spkr's

1-SS-CT80 spkr

2-SS-TS80 spkr's and 1-WS-SS82 Subwoofer.

All work very good, also have spkr cables,

I have NO manual, but you can get it off the web.

This unit sold for \$400.00 NEW, E-bay is selling for around \$200-238.00.

Would like to trade for equivalent priced HF radio.

Dennis

aj4hk

919-526-2860

Vintage Kenwood receiver & integrated amp.

Posted October 5th, 2013 by: K4NYA

Contact: kk4dhd@arrl.net

Kenwood KA-701 amp in good condition, but needs some work. Missing a few switch covers & one switch (see pictures), but this does not affect anything except cosmetics. Left channel does cut out periodically in stereo mode. Works fine in mono.

Power output: 80 watts per channel into 8 ohms (stereo)

Frequency response: 20Hz to 20kHz

Total harmonic distortion: 0.02%

Damping factor: 100

Input sensitivity: 2.5mV (MM), 200mV (line)

Signal to noise ratio: 89dB (MM), 110dB (line)

Output: 200mV (line), 30mV (DIN)

Speaker load impedance: 4 to 16 ohms

Dimensions: 440 x 153 x 407mm

Weight: 13.5kg

Kenwood KT-615 AM/FM tuner. No issues, apart from scratches on top & front panel. Tuner knob is a bit loose.

\$100 for both. Negotiable on price.

See pictures here: <http://imgur.com/a/vRslN>

R L Drake L-4B HF Linear Amplifier 80-10 Meters w/matching L-4 PS

Posted October 2nd, 2013 by: K4HF

Contact: k4hf@arrl.net

Drake L-4B HF Linear Amplifier 80-10 Meters with a pair of 3-500Z tubes, including the L-4 PS, manual and a Drake TV 300-LP Low Pass Filter. Very good condition - \$675.

Contact Chuck, K4HF by E Mail, preferred, or 919-872-6555

Want to be a Published Author?

What's your favorite aspect of amateur radio? Emergency communications or home-brewing radios? Contesting or Special Events stations? Why not share your interests, knowledge, and experience with other hams in the *Exciter*?

Both technical and non-technical articles are needed for the *Exciter*. You could write up a short piece on your experience SAGing at a bike-a-thon or an in-depth piece about putting up an antenna in your attic. We'll take articles of any length!

To submit an article, just email your piece to the Editor (editor@rars.org). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.



We look forward to learning from each other and broadening our club's knowledge base! Break out those pens, pencils, or keyboards and get writing!

RARS Classifieds

Want to add a new radio to your shack? Have an antenna for sale? Browse the RARS classifieds for new and used radio equipment at <http://rars.org/classifieds.php> or see p. 10 of this newsletter for current listings.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

The Raleigh Amateur Radio Society's

EXCITER

Raleigh Amateur Radio Society, Inc.
PO Box 17124
Raleigh, NC 27619

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RALEIGH, NC
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